

In the Claims

1. (Currently Amended) An apparatus for diagnosis of tissue, comprising:
 - a) a light source;
 - b) a micro-opto-electro-mechanical systems (MOEMS) rapid scanning delay line coupled to the light source;
 - c) a quasi optics chopper coupled to the MOEMS rapid scanning delay line;
 - d) a terahertz transmitter coupled to the quasi optics chopper;
 - e) a first quasi optics system coupled to the transmitter, the first quasi optics system outputting light directed at a sample;
 - f) a second quasi optics system optically coupled to the sample, the second quasi optics system receiving light reflected from the sample;
 - g) a detector coupled to the second quasi optic system;
 - h) a matching amplifier coupled to the detector;
 - i) a sample stepper; and
 - j) a control and display system coupled to the sample stepper, the matching amplifier, the transmitter, the quasi chopper and the scanner.
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Currently Amended) The apparatus of Claim 1, wherein ~~the~~ a femtosecond pulsed laser is transmitted through a fiber for a handheld diagnosis system.

9. (Original) The apparatus of Claim 1, wherein the MOEMS rapid scanning delay line is a miniature package.
10. (Original) The apparatus of Claim 1, wherein the sample stepper is inside a handheld system together with the other elements recited in Claim 1.
11. (Original) The apparatus of Claim 1, wherein the sample stepper is outside a handheld system that includes all of the other elements recited in Claim 1.
12. (Original) The apparatus of Claim 1, wherein a display system is inside a handheld system together with the other elements recited in Claim 1.
13. (Original) The apparatus of Claim 1, wherein a display system is outside a handheld system that includes all of the other elements recited in Claim 1.
14. (Currently Amended) The apparatus of Claim 1, wherein quasi optics kinoform lenses are used for size reduction suitable for a handheld diagnosis system.
- 15-27. (Cancelled).